

## Sumner County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 953

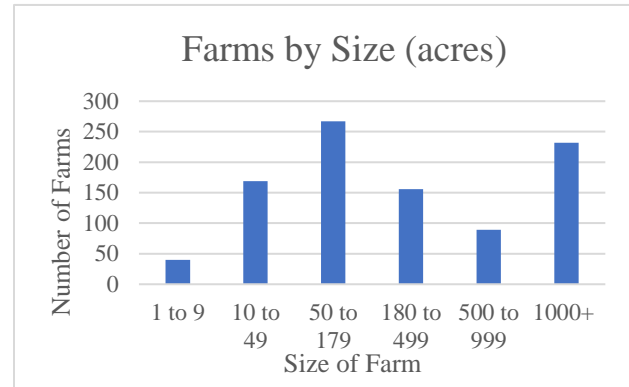
Average size: 795 acres

Land in farms: 757,777 acres

Average value of products sold per farm: \$163,348

Average net cash farm income per farm: \$40,732

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Sumner County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 26 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Sumner County economy.

### Results

These 26 sectors have a total direct output of approximately **\$271.3 million** and account for **1,379 jobs** in Sumner County. Running the model for all 26 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Sumner County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	1,379	13%	\$72,000,000	9%	\$271,300,000
Indirect Effect	240	2%	\$17,200,000	2%	\$43,200,000
Induced Effect	287	3%	\$20,800,000	3%	\$37,500,000
<b>Total Effect</b>	<b>1,906</b>	<b>17%</b>	<b>\$110,000,000</b>	<b>14%</b>	<b>\$352,100,000</b>

**NOTE:** Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **1,906 jobs**, or **17%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$352.1 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 26 agriculture, food, and food processing sectors is approximately **\$110.0 million**, or **14%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming is the top employer with **429 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Sumner County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	429
Grain farming	299
Cotton farming	149
Support activities for agriculture and forestry	143
Other real estate	94
Landscape and horticultural services	87
All other crop farming	72
Animal, except poultry, slaughtering	69
Oilseed farming	62
Wholesale - Other nondurable goods merchant wholesalers	43

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The grain farming sector is the top contributor, with approximately **\$81.7 million** to the Sumner County economy.

Sector	Total Output
Grain farming	\$81,700,000
Animal, except poultry, slaughtering	\$49,400,000
Oilseed farming	\$48,000,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$41,200,000
Cotton farming	\$27,700,000
Other real estate	\$15,100,000
Wholesale - Other nondurable goods merchant wholesalers	\$11,000,000
Owner-occupied dwellings	\$9,800,000
Monetary authorities and depository credit intermediation	\$4,700,000
Support activities for agriculture and forestry	\$4,600,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Sumner County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Grain farming	\$81,728,925.67	299.14
Animal, except poultry, slaughtering	\$49,370,660.45	69.22
Oilseed farming	\$47,956,594.77	62.09
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$41,236,933.82	429.39
Cotton farming	\$27,696,098.80	149.15
Support activities for agriculture and forestry	\$4,606,262.35	143.20
Landscape and horticultural services	\$3,344,581.22	86.96
All other crop farming	\$2,151,393.62	71.85
Farm machinery and equipment manufacturing	\$1,651,321.03	4.88
Other animal food manufacturing	\$1,609,617.08	1.53
Poultry and egg production	\$1,515,859.52	1.57
Animal production, except cattle and poultry and eggs	\$1,372,348.10	10.87
Veterinary services	\$1,340,765.99	14.51
Wineries	\$1,258,379.65	4.13
Bread and bakery product, except frozen, manufacturing	\$1,037,398.95	8.00
Dairy cattle and milk production	\$803,106.41	1.42
Frozen cakes and other pastries manufacturing	\$708,181.06	8.01
Vegetable and melon farming	\$526,220.54	2.47
Other snack food manufacturing	\$406,329.60	0.80
Greenhouse, nursery, and floriculture production	\$337,729.39	1.26
Roasted nuts and peanut butter manufacturing	\$319,567.10	0.79
Commercial logging	\$157,568.99	3.12
Commercial hunting and trapping	\$86,683.82	3.29
Forestry, forest products, and timber tract production	\$56,613.25	0.76
Fruit farming	\$18,729.54	0.10
Tree nut farming	\$16,528.47	0.18

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist  
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